|     | Index of Claims |               |          |           |              |                 |          |              |              |             |          |                 |               |           | plication/Control No. |                        |               |              |         |             |              |         |      | Applicant(s)/Patent under Reexamination |            |                      |                |    |          |          |                     |          |           |  |  |
|-----|-----------------|---------------|----------|-----------|--------------|-----------------|----------|--------------|--------------|-------------|----------|-----------------|---------------|-----------|-----------------------|------------------------|---------------|--------------|---------|-------------|--------------|---------|------|---|------------|----------------------|----------------|----|----------|----------|---------------------|----------|-----------|--|--|
|     |                 |               |          |           |              |                 |          |              |              |             |          |                 |               |           |                       | 10/696,517<br>Examiner |               |              |         |             |              |         |      |   |            | GADE ET AL. Art Unit |                |    |          |          |                     |          |           |  |  |
|     |                 |               |          |           |              |                 |          |              |              |             |          |                 |               |           |                       |                        | Ronnie Mancho |              |         |             |              |         |      |   | 3663       |                      |                |    |          |          |                     |          |           |  |  |
|     | √ Rejected      |               |          |           |              |                 |          |              |              |             |          | (Through numera |               |           |                       |                        | al)           |              |         | Non-Elec    |              |         | lect | hod                                     | 7 [        |                      | Appeal         |    |          |          |                     |          |           |  |  |
|     |                 |               |          |           |              |                 |          |              |              | F           |          |                 | _             | Cancelled |                       |                        |               |              |         | 1           |              |         |      |   |            | A                    |                |    |          |          |                     |          |           |  |  |
|     | = Allow         |               |          |           |              |                 | owed     |              |              | ÷           |          |                 | Restricted    |           |                       |                        |               |              |         | I Interfere |              |         | eren | ce                                      |            | 0                    | Objected       |    |          |          |                     |          |           |  |  |
|     | Cla             | aim           | L        |           |              | _ [             | Dat      | e            |              |             |          |                 | Claim         |           |                       |                        | Dat           |              |         | e           |              | ] [     | Cla  | aim                                     |            |                      | Date           |    |          |          |                     |          |           |  |  |
|     | Final           | Original      | 2207     |           |              |                 |          |              |              |             |          |                 | Final         | Original  |                       |                        |               |              |         |             |              | -       |      | Final                                   | Original   |                      |                | ,  |          |          |                     |          |           |  |  |
|     |                 | 1_            | Ľ        |           |              | =               |          |              | Ŀ            |             |          |                 |               | 51        |                       |                        |               | 1            |         |             |              |         | 1    |   | 101        |                      | $\pm$          |    |          | _        |                     |          |           |  |  |
| ′ ¬ |                 | $\frac{3}{2}$ | E        |           | _            | ┢               | -        | $\vdash$     | $\vdash$     | $\models$   | $\vdash$ |                 |               | 52<br>53  | _                     | -                      | _             | +            | 4       | +           | +            | +       | -    |   | 102<br>103 | Н                    | +              | +  | 1        | <u> </u> | -                   | -        | $\dashv$  |  |  |
| ]   |                 | Ž.            | E        | F         |              | Ë               |          | F            | F            | /           |          | _               |               | 54        |                       |                        | $\pm$         | $\dagger$    | +       | +           | +            | +       | 1    |   | 104        |                      | +              | +- |          |          |                     |          |           |  |  |
|     |                 | 5\            |          |           |              |                 | L        | Ĺ            | /            | _           | _        |                 |               | 55        | ·                     |                        |               | 1            | 1       |             |              | $\perp$ | ] [  |   | 105        |                      |                | 1  | $\perp$  | <u> </u> |                     |          | $\Box$    |  |  |
|     |                 | 6<br>7        | 1        | $\vdash$  |              | ├               | -        | -            | $\leftarrow$ | $\vdash$    | $\vdash$ |                 |               | 56<br>57  | $\vdash$              | $\dashv$               | +             | +            | +       | +           | +            | +       | ┨╏   |   | 106<br>107 | $\vdash$             | $\dashv$       | ╁  | ╁        | ┝        | $\vdash\vdash$      | $\dashv$ | $\dashv$  |  |  |
|     |                 | 8             |          | Z         |              |                 | Z        |              |              | L           |          |                 |               | 58        |                       |                        |               |              | 1       | T           | T            | 丁       | ]    |   | 108        |                      |                |    |          |          |                     |          |           |  |  |
|     |                 | 10            | -        | <u> </u>  | <del>\</del> | /               | <u> </u> | <u> </u>     | -            | L           | <u> </u> |                 |               | 59<br>60  |                       | $\dashv$               | -             | +            | +       | +           | +            | +       | ┨╏   | -                                       | 109<br>110 |                      | +              |    | ╄        | ├-       | $\square$           | $\dashv$ | -         |  |  |
|     |                 | 11            |          |           | $\vdash$     | K               |          | H            | ╁            | -           | -        |                 |               | 61        |                       | $\dashv$               | _             | +            | +       | +           | +            | +       | ┪╏   |   | 111        | H                    | $\dashv$       | +  | +        |          | H                   | ᅥ        | $\dashv$  |  |  |
|     |                 | 12            | _        |           | Z            | $\Delta$        |          |              |              |             |          |                 |               | 62        |                       |                        |               | $\perp$      | 1       | $\perp$     | $\perp$      | 1       | ] [  |   | 112        |                      |                | 1  |          |          |                     |          |           |  |  |
|     |                 | 13<br>14      | $\vdash$ | $\forall$ |              |                 | $\land$  | ├            | ┼            | -           | -        |                 |               | 63<br>64  | $\vdash$              | +                      | +             | +            | +       | +           | +            | +       | -    |   | 113<br>114 | H                    | +              | +  | ╁        | ┝        | $\vdash \vdash$     | -        | $\dashv$  |  |  |
|     |                 | 15            | $\Box$   |           |              |                 |          | $\setminus$  | Ľ            |             |          | 1               | -             | 65        |                       |                        |               | $\dagger$    | 1       | t           |              |         | 1 [  |   | 115        |                      |                | 1. |          |          |                     |          |           |  |  |
|     |                 | 16<br>17      | 1        | _         |              |                 |          | Д            | <u></u>      | $\vdash$    | _        |                 |               | 66<br>67  | $\sqcup$              | 4                      | _             | _            | 4       | $\perp$     | $\perp$      | _       | ┦╏   |   | 116<br>117 |                      | _              | 1  |          | _        |                     | _        |           |  |  |
|     |                 | 18/           | $\vdash$ | -         | H            |                 | -        | ┢            | $\setminus$  | ┢           | -        |                 |               | 68        | $\vdash$              | $\dashv$               | +             | +            | +       | +           | +            | +-      | ┨╏   |   | 118        | $\vdash$             | +              | +  | ╁╴       | ┢        |                     |          |           |  |  |
|     |                 | 19            |          |           |              |                 |          |              |              | $\setminus$ |          |                 |               | 69        |                       |                        |               |              |         |             |              | #       | ] [  |   | 119        |                      |                |    |          |          |                     |          |           |  |  |
| ]   |                 | #0<br>/21     |          |           |              |                 | E        | E            | E            |             | Z        |                 | <del>-,</del> | 70<br>71  | $\vdash$              | +                      | +             | +            | -       | -           | +            | -       | ┦ }  |   | 120<br>121 | $\vdash$             |                | +  | ╁        |          | Н                   | -        |           |  |  |
| 4   |                 | -22           |          |           |              |                 |          | _            | _            |             | Ė        |                 |               | 72        |                       | 寸                      |               | ╁            | _       |             |              |         | j [  |   | 122        |                      |                |    |          | ŀ        |                     |          |           |  |  |
| +   | _               | 23            | -        |           |              |                 |          |              |              | F           |          | -               |               | 73        |                       | 4                      | _             | $\downarrow$ | 1       | 1           | 4            |         | ] [  |   | 123        |                      |                |    |          |          |                     |          |           |  |  |
| }   |                 | 24<br>25      | V        | -         |              | $\vdash$        | _        |              | $\vdash$     | H           |          |                 |               | 74<br>75  | $\dashv$              | $\dashv$               | +             | ╁            | +       | +           | +            | ╫       | ┪┟   |   | 124<br>125 | $\vdash$             | +              | +  | ╆        | ┢        |                     | $\dashv$ | -         |  |  |
|     |                 | 26            | 7        |           |              |                 |          |              |              |             |          |                 |               | 76        |                       |                        |               | 1            | İ       |             |              | 上       | ] [  |   | 126        |                      | 丁              |    |          |          |                     |          |           |  |  |
| -   |                 | 27<br>28      | J        |           |              |                 | -        | -            | -            | _           | L        |                 |               | 77<br>78  | -1                    | 4                      | +             | +            | +       | +           | +            | - -     | 4    |   | 127<br>128 |                      | $\dashv$       | +  | ╀        | -        | $\square$           | 4        |           |  |  |
|     |                 | 29            | V,       |           | _            |                 |          |              |              |             |          |                 |               | 79        | $\dashv$              | $\dagger$              | $\dashv$      | +            | 十       | +           | +            | +       | ┪┟   |   | 129        | $\vdash$             | +              | +  | $\vdash$ | $\vdash$ | -                   | -        |           |  |  |
| _ [ |                 |               | <b>V</b> |           |              |                 |          |              |              |             |          |                 |               | 80        |                       |                        |               |              |         | Ţ           | $\downarrow$ |         | ] [  |   | 130        |                      |                |    |          |          |                     |          |           |  |  |
|     |                 | -31-<br>-32-  |          |           | П            |                 |          | E            | E            |             |          |                 |               | 81<br>82  |                       | +                      | ╁             | ╁            | +       | +           | +            | +       | ┥┟   |   | 131<br>132 | $\vdash$             | $\dashv$       | +  |          | ┝        | $\vdash$            | $\dashv$ |           |  |  |
|     |                 | -33-          |          |           |              | Ξ               |          |              |              | F           |          | -               |               | 83        |                       |                        | 士             | 1            | $\perp$ |             |              |         | ] [  |   | 133        |                      |                |    |          |          |                     |          |           |  |  |
| }   | _               | -34<br>-35    |          |           |              |                 | _        |              |              |             |          |                 |               | 84<br>85  |                       | $\dashv$               | +             | +            | +       | 4           | $\bot$       | +       | -    |   | 134<br>135 | $\sqcup$             | +              | +  | -        | L        | $\vdash \vdash$     | -        | _         |  |  |
| Ī   |                 | -36<br>-36    |          |           | Ш            |                 |          |              |              |             | E        |                 |               | 86        | -                     | $\dashv$               | $\dashv$      | ╁            | ╁       | ╁           | +            | ╁       | 1 }  | -                                       | 136        |                      | $\dashv$       | +  | H        |          | $\vdash$            | $\dashv$ | $\dashv$  |  |  |
|     |                 | 37            |          |           |              |                 |          |              |              |             |          | -               |               | 87        |                       |                        | _ _           | 1            | 1       | 1           |              | 1       | ] [  |   | 137        |                      | $\blacksquare$ |    |          |          | П                   | $\Box$   | $\exists$ |  |  |
| ŀ   |                 | 38<br>39      |          | -         |              | $\vdash$        | _        | -            | -            |             |          |                 |               | 88<br>89  |                       | +                      | -             | +            | +       | +-          | +            | +-      | ┨╏   |   | 138<br>139 | $\vdash$             | +              | +  | ╁        |          | H                   | $\dashv$ | $\dashv$  |  |  |
| Ì   |                 | 40            | Ž        |           | _            |                 |          |              |              |             |          |                 |               | 90        |                       |                        |               |              | $\pm$   | $\pm$       | 士            |         | 1 [  |   | 140        |                      |                |    |          |          |                     |          |           |  |  |
|     |                 | 41<br>42      | ((       | <u> </u>  |              |                 | Ц        | Ĺ            | $\vdash$     | oxdot       | Щ        |                 |               | 91<br>92  | $\dashv$              | $\dashv$               | $\bot$        | $\bot$       | Ŧ       | Ŧ           | $\bot$       | $\Box$  | ↓ [  | =                                       | 141<br>142 | H                    | 1              | ┰  | F        | Ĺ        | $\Box$              | $\dashv$ | $\dashv$  |  |  |
| }   |                 | 42            | 7        | H         | Н            | Н               | $\vdash$ | <del> </del> | $\vdash$     | -           | $\vdash$ |                 |               | 93        | $\dashv$              | +                      | +             | +            | +       | +           | +            | +       | ┪╏   |   | 143        | $\vdash$             | +              | +  | $\vdash$ |          | $\vdash$            | $\dashv$ | $\dashv$  |  |  |
|     |                 | 44            |          |           |              |                 |          |              |              |             |          |                 |               | 94        |                       | $\downarrow$           |               | 1            | 1       | 丰           | 1            |         | ] [  |   | 144        | $\Box$               | $\downarrow$   | I  | L        |          |                     | #        | $\Box$    |  |  |
| }   |                 | 45<br>46      | -        | H         | -            | $\vdash \vdash$ | $\vdash$ |              | -            | $\vdash$    | $\vdash$ |                 |               | 95<br>96  | +                     | +                      | +             | +            | +       | $\dashv$    | +            | +       | -    |   | 145<br>146 | $\dashv$             | +              | +  | $\vdash$ | -        | $\vdash \downarrow$ | $\dashv$ | $\dashv$  |  |  |
| ŀ   |                 | 47            | $\vdash$ | H         |              | H               | Н        |              |              | $\vdash$    | Н        |                 |               | 97        | $\dashv$              | _                      | +             | +            | +       | +           | +            | +       | 1    |   | 147        | +                    | +              | 十  | $\vdash$ |          | H                   | _        | $\exists$ |  |  |
|     |                 | 48            |          |           |              |                 |          |              |              |             |          |                 |               | 98        |                       | $\Box$                 | T             | T            | $\perp$ |             | Ţ            | L       | ] [  |   | 148        | $\Box$               | 1              | Ţ  |          |          |                     | $\Box$   | $\Box$    |  |  |
| }   |                 | 49<br>50      | H        | H         |              | $\vdash$        | $\vdash$ |              | -            | $\vdash$    | $\vdash$ |                 |               | 99<br>100 | +                     | $\dashv$               | +             | +            | ╁       | +-          | +            | +       | ┨┞   |   | 149<br>150 | $\dashv$             | +              | +  | $\vdash$ | _        | $\vdash$            | $\dashv$ | $\dashv$  |  |  |
| L   |                 |               |          |           |              | لبا             |          | Ц            | Щ.           | لــــا      | ـــا     | ı l             |               |           |                       |                        |               |              |         |             |              |         | J L  |   | .,,,,      |                      |                |    |          | _        | ш.                  |          |           |  |  |